

ABSTRACT

An infusion pump for infusing drugs or other fluids into the body. The pump consists of two chambers. The storage chamber holds a large volume of drug at a variable and elevated pressure, which exceeds the preselected outflow pressure. The outflow chamber holds a smaller volume of drug at a constant outflow pressure. A moveable diaphragm attached to a valve controls the entry of the drug from the storage chamber into the outflow chamber. The pressure of the drug in the outflow chamber is determined by the forces applied to the diaphragm. The drug from the outflow chamber flows through a flow restrictor and catheter into the patient at a constant flow rate.

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9/25/00

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